

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

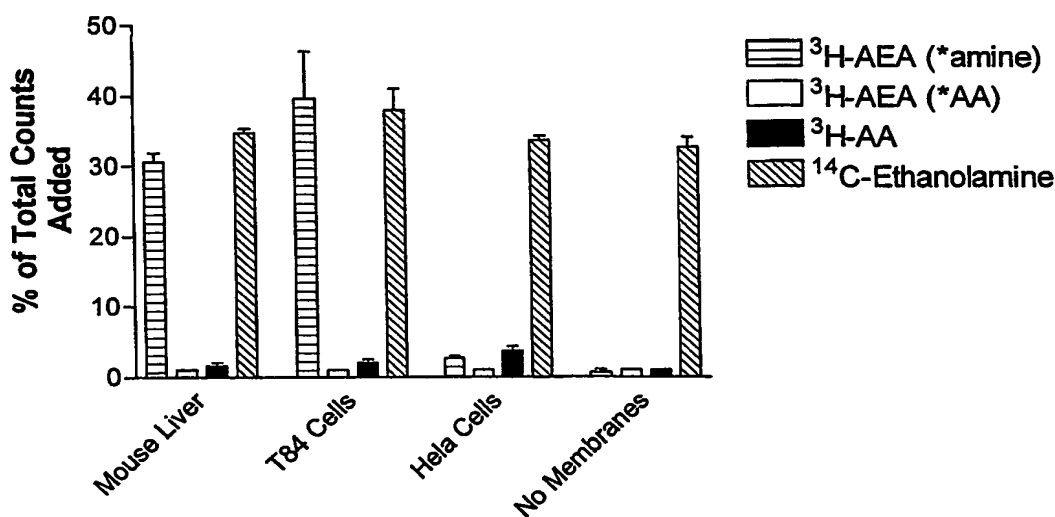
PCT

(10) International Publication Number
WO 2004/037371 A2

- (51) International Patent Classification⁷: **B01D**
- (21) International Application Number:
PCT/US2003/033354
- (22) International Filing Date: 21 October 2003 (21.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/420,065 21 October 2002 (21.10.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ASSAY FOR DETERMINING THE ACTIVITY OF FATTY ACID AMIDE HYDROLASE

FAAH Assay



(57) Abstract: The invention provides methods of assaying fatty acid amide hydrolase (FAAH) activity adaptable for high throughput screening. The methods provide for separating a labeled substrate from at least one labeled hydrolysis product, the separation facilitating the quantification. The invention also provides methods of identifying a compound to be tested as an inhibitor or an activator of FAAH activity through the addition of the compound to be tested to a reaction mixture and comparison of the enzyme activity in the presence and absence of the compounds to be tested. The methods are adaptable for use in detecting altered FAAH activity in patients, for example, those at risk for *in vitro* fertilization failure, or at risk for, or suffering from, addictions.